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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : David K. Gifford  
Serial No. : 09/472,964  
Filed : December 28, 1999  
Title : REPLICA ROUTING

Art Unit : 2756  
Examiner : Unknown

Assistant Commissioner for Patents  
Washington, D.C. 20231

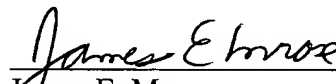
**INFORMATION DISCLOSURE STATEMENT**

Under 35 USC §120, this application relies on the earlier filing date of application serial number 08/779,770, filed on January 7, 1997. With the exception of U.S. Patent No. 6,003,030 and 5,991,809, the references listed on the attached PTO-1449 were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: March 31, 2000

  
James E. Mrose  
Reg. No. 33,264

Fish & Richardson P.C.  
601 Thirteenth Street, NW  
Washington, DC 20005  
Telephone: (202) 783-5070  
Facsimile: (202) 783-2331

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06105-003002	Application No. 09/472,964
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant David K. Gifford	
		Filing Date December 28, 1999	Group Art Unit 2756

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,345,586	09/1994	HAMALA et al.	395	650	
	AB	5,812,769	09/1998	GRABER et al.	395	200.12	
	AC	5,425,090	06/1995	ORRISS	379	201	
	AD	4,987,587	01/1991	JOLISSAINT	379	94	
	AE	5,774,660	06/1998	BRENDEL et al.	395	200.31	
	AF	5,463,735	10/1995	PASCUCCI et al.	395	200.1	
	AG	5,991,809	11/1999	KRIEGSMAN	709	226	
	AH	6,003,030	12/1999	KENNER et al.	395	200.33	

## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AI	WO 98/18076	04/1998	PCT				
	AJ	WO 96/41285	12/1996	PCT				

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AK	Bowman et al.; "The Harvest Information Discovery and Access System"; <a href="http://141.142.3.70/SDG/IT94/Proceedings/...">http://141.142.3.70/SDG/IT94/Proceedings/...</a> ; 1994
	AL	Luotonen et al.; "World-Wide Web Proxides"; 04/1995
	AM	Kwan et al.; "NCSA's World Wide Web Server: Design and Performance", IEEE; 1995
	AN	Malpani et al.; "Making World Wide Caching Servers Cooperate"; <a href="http://bmrc.berkeley.edu/papers/1995/138/paper-59.html">http://bmrc.berkeley.edu/papers/1995/138/paper-59.html</a> ; 1995
	AO	Routing Basics; <a href="http://www.ics.muni.cz/cisco/data/doc/cinternet/ito/55171.htm">http://www.ics.muni.cz/cisco/data/doc/cinternet/ito/55171.htm</a> ; 1995
	AP	Jeffery et al.; "Proxy-Sharing Proxy Servers"; IEEE; 1996
	AQ	Oguchi et al.; "A Study of Caching Proxy Mechanisms Realized on Wide Area Distributed Networks", IEEE; 1996
	AR	Ross; "Hash Routing for Collections of Shared Web Caches"; IEEE Network; 11/1997
	AS	Cisco Systems, Inc.; "How to Cost-Effectively Scale Web Servers"; pp. 1-6; posted November 13, 1996; <a href="http://www.cisco.com/warp/public/784/5.html">http://www.cisco.com/warp/public/784/5.html</a>
	AT	Cisco Systems, Inc.; "The Effects of Distributing Load Randomly to Servers"; pp. 1-18; 1997 or earlier

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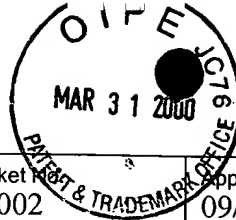
**Other Documents (include Author, Title, Date, and Place of Publication)**

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	AU	Cisco Systems, Inc.; "Cisco Distributed Director"; pp. 1-15; posted February 21, 1997 or earlier; <a href="http://www.cisco.com/warp/public/734/distdir/dd_wp.htm">http://www.cisco.com/warp/public/734/distdir/dd_wp.htm</a>
	AV	Cisco Systems, Inc.; "Cisco Distributed Director"; pp. 1-16; posted September 25, 1996; <a href="http://www.cisco.com/warp/public/734/distdir/dd_wp.htm">http://www.cisco.com/warp/public/734/distdir/dd_wp.htm</a>
	AW	Wallace; "Load balancing juggles calls at busy Web sites"; pp. 1-2; March 17, 1997 or earlier; <a href="http://www.computerworld.com/search/AT-html/9611/961111sl46web.html">http://www.computerworld.com/search/AT-html/9611/961111sl46web.html</a>
	AX	Cisco Systems, Inc.; "Cisco Advantage: Leveraging Intranet and Internet Productivity"; pp. 1-8, posted May 21, 1996; <a href="http://www.cisco.com/warp/public/751/advtg/advan_pl.htm">http://www.cisco.com/warp/public/751/advtg/advan_pl.htm</a>
	AY	Gulbransen et al.; "A DNS RR for specifying the location of services (DNS SRV), pp. 1-9, February 26, 1997 or earlier; <a href="http://www.internic.net/rfc/rfc2052.txt">http://www.internic.net/rfc/rfc2052.txt</a>
	AZ	Davis et al.; "A Means for Expressing Location Information in the Domain Name System"; pp. 1-16; February 27, 1997 or earlier; <a href="http://www.internic.net/tfc/rfc1876.txt">http://www.internic.net/tfc/rfc1876.txt</a>
	BA	Erwin et al.; "Forrester: The Forrester Report"; pp. 2-11; December 1, 1996; Vol. 1, No. 1; <a href="http://access.forrester.com/cgi-bi...">http://access.forrester.com/cgi-bi...</a>
	BB	Yoshikawa et al.; "Using Smart Clients to Build Scalable Services"; Unisys Association; 1997 Annual Technical Conference; pp. 105-120; January 6-10, 1997 or earlier
	BC	Open Market, Inc. Dr. Watson Product Description, "Software Product Description"; pp. 1-8, January 21, 1997 or earlier; <a href="http://www.cavebear.com/dwtnda/spd.html">http://www.cavebear.com/dwtnda/spd.html</a>
	BD	Open Market, Inc.; "Frequently Asked Questions About Dr. Watson, The Network Detective's Assistant (DWTNDA) Version 1.2"; pp. 1-9; January 21, 1997 or earlier; <a href="http://www.cavebear.com/dwtnda/faq.html">http://www.cavebear.com/dwtnda/faq.html</a>
	BE	Paxson; "End-to-End Routing Behavior in the Internet"; University of California, Berkeley and Lawrence Berkeley National Laboratory; pp. 25-38; 1996; SIGCOMM '96 8/96 0-89791-790-1/96/0008
	BF	Tennenhouse et al.; "Towards an Active Network Architecture"; ACM Computer Communications Review; April 1996; Vol. 26, No. 2; pp. 5-18
	BG	Chankhunthod et al.; "A hierarchical Internet Object Cache"; pp. 153-163; Usenix Technical Conference; January 22-26, 1996
	BH	Crovella et al.; "Dynamic Server Selection in the Internet"; pp. 1-5; June 30, 1995; Proc. Of the Third IEEE Workshop on the Architecture and Implementation of High Performance Communications Subsystems
	BI	Blaze et al.; "Dynamic Hierarchical Caching in Large-Scale Distributed File Systems"; 0-8186-2865-0/92 IEEE; pp. 521-528; 1992
	BJ	Guyton et al.; "Locating Nearby Copies of Replicated Internet Servers"; Computer Science Dept.; University of Colorado; pp. 288-298; 1995; SIGCOMM '95 Cambridge, MA ACM 0-89791-711-1/95/0008
	BK	Gwertzman et al.; "The Case for Geographical Push-Caching"; pp. 1-4; Harvard University; date unknown
	BL	Baentsch et al.; "Introducing application-level replication and naming into today's Web"; Computer Networks and ISDN Systems 28; pp. 921-930; 1996
	BM	Deering et al.; "Multicast Routing in Datagram Internetworks and Extended LANs"; ACM Transactions on Computer Systems; Vol. 8; No. 2; pp. 85-110; May 2, 1990



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**Information Disclosure Statement**  
**by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

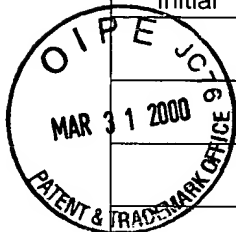
Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	BN	Bestavros; "Speculative Data Dissemination and Service to Reduce Server Load,..."; Proceedings of ICDE '196; Int. Conf. On Engineering; New Orleans, LA; March 1996
	BO	Bestavros; "Demand-based Document Dissemination to Reduce Traffic and Balance Load in Distributed Information System"; Proc. Of SPDP '95, 7 <sup>th</sup> IEEE Symposium; San Antonio, TX; October 1995
	BP	Washburn et al.; "TCP/IP Running a Successful Network"; pp. 1-233; and pp. 368-409; Addison-Wesley Publishing Company; date unknown
	BQ	Stevens; TCP/IP Illustrated; Vol. 1; pp. 1-21; 33-51, 85-142, 186-208, 222-228; Addison-Wesley Publishing Company; date unknown; The Domain Name System; pp. 186-208; TCP/IP Trans. Control Protocol; 223-228
	BR	Blaze; "Caching in Large-Scale Distributed File Systems"; Princeton University Department of Computer Science; Research Report CS-TR-397-92; January 1993; pp. 1-88
	BS	Danzig et al.; "A Case for Caching File Objects Inside Internetworks"; pp. 1-10; 1993; ACM SIGCOMM
	BT	PointCast, Inc.; "PointCast Ships The Industry's First Broadcast Solution for Corporate Intranets"; October 7, 1996; 501 Macara Ave.; Sunnyvale, CA 94086
	BU	PointCast, Inc.; "Deployment Guidelines" Technical Paper; May 15, 1997; or earlier; pp. 1-15
	BW	PointCast, Inc.; "Configuring Multiple PointCast I-Servers" Technical Paper; March 19, 1997 or earlier; pp. 1-11
	BX	Alsop; "PointCast and Its Wannabes"; Fortune; November 25, 1996; pp. 181
	BY	BackWeb Technologies, Inc.; "Put an End to Those Nasty Hit and Runs On Your Website"; 1996
	BZ	O'Malley et al.; "A Dynamic Network Architecture"; ACM Transactions on Computer Systems; Vol. 10; No. 2; May 1992; pp. 110-143
	CA	Huitema; "Routing in the Internet"; Prentice Hall PTR; Englewood Cliffs, NJ; pp. 1-60; date unknown
	CB	PointCast, Inc.; "Internal PointCast Network Traffic"; Technical Paper; April 17, 1997 or earlier; pp. 2-11
	CC	InterVU Network Services; "What We Do"; <a href="http://www.intervu.net/service/doi.html">http://www.intervu.net/service/doi.html</a> ; June 8, 1997 or earlier
	CD	Netscape; "Netscape Netcenter"; <a href="http://www.netscape.com">http://www.netscape.com</a> ; 1998 or earlier
	CE	Resonate, Inc.; "Corporate Backgrounder"; pp. 1-10; date unknown; 465 Fairchild Drive, Suite 224, Mountain View, CA 94043
	CF	Resonate, Inc.; "A Case for Intelligent Distributed Server Management"; pp. 1-9; 1996; <a href="http://www.resonateinc.com/dsm.htm">http://www.resonateinc.com/dsm.htm</a>
	CG	Resonate, Inc.; "Resonate Dispatch <sup>TM</sup> 1.0: Distributed Server Management Solutions for the Internet"; pp. 1-3; 1996; <a href="http://www.resonateinc.com/datasheet.htm">http://www.resonateinc.com/datasheet.htm</a>
	CH	W3C; "Propagation, Caching and Replication on the Web"; 1996; <a href="http://www.w3.org/pub/WWW/Propagation/">http://www.w3.org/pub/WWW/Propagation/</a>
	CI	SQUID; "Frequently Asked Questions" pp. 1-16; 1996; <a href="http://squid.nlanr.net/Squid/FAQ.htm">http://squid.nlanr.net/Squid/FAQ.htm</a>

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	CJ	Wessels; "Internet Cache Protocol (ICP); Version 2; pp. 1-7; 1996; <a href="http://www.nlanr.net/Cache/ICP/ICP-id.txt">http://www.nlanr.net/Cache/ICP/ICP-id.txt</a>
	CK	Internet Middleware Co.; "Cached-3.* Web Cache Datasheet: Beyond Cached-1.4pl2"; pp. 1-2; 1996; <a href="http://www.netcache.com/DOC/prod_frame2.html#6">http://www.netcache.com/DOC/prod_frame2.html#6</a>
	CL	Survey of caching requirements and specifications for prototype, "Desire: Project Deliverable"; pp. 1-74; 1996; <a href="http://www.cc.ruu.nl/~henny/desire/deliveries/del_41.html">http://www.cc.ruu.nl/~henny/desire/deliveries/del_41.html</a>
	CM	SQUID; "Release Notes - 1.1 .txt,V 1.11; pp. 1-5; <a href="http://squid.nlanr.net/Squid/1.1beta/Release-Notes-1.1.txt">http://squid.nlanr.net/Squid/1.1beta/Release-Notes-1.1.txt</a> ; December 5, 1996



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